

Message Text

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TO AMEMBASSY LIMA PRIORITY

UNCLAS STATE 213481

E.O. 11652: NA

TAGS: BEXP, PE

SUBJECT: PRODUCT OPPORTUNITY - STATUS REPORT NO. 3

1. BIOGRAPHICAL SKETCH: HERMAN G. DVORAK, MANAGER OF PRODUCT DEVELOPMENT, TURBO POWER AND MARINE SYSTEMS DIV. OF UNITED TECHNOLOGIES RECEIVED HIS B.S. IN MECHANICAL ENGINEERING FROM UNIVERSITY OF MINNESOTA AND A MASTER'S DEGREE FROM UNIVERSITY OF CONNECTICUT. HE JOINED UNITED TECHNOLOGIES IN 1946 AT THE UTC RESEARCH CENTER AND LATER WENT TO PRATT AND WHITNEY AIRCRAFT AND SIKORSKY AIRCRAFT DIVISIONS. AT POWER SYSTEMS DIVISION HE WAS APPOINTED CHIEF MECHANICAL APPLICATIONS ENGINEER FOR ALL FT4 APPLICATIONS. LATER HE WAS ASSIGNED AS GAS TURBINE PROJECT ENGINEER. MR; DVORAK IS RESPONSIBLE FOR ALL ENGINEERING AND DESIGN ACTIVITIES ON THE FT4 GAS TURBINE ENGINE INCLUDING DEVELOPMENT AS WELL AS PRODUCT SUPPORT ENGINEERING. HE WILL DISCUSS THE MODULAR INDUSTRIAL TURBINE WHICH IS A DERIVATIVE OF A SOPHISTICATED AIRCRAFT GAS TURBINE. ITS
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DEVELOPMENT FOR INDUSTRIAL USE HAS TAKEN 15 TO 20 YEARS AT A COST OVER 100,000,000 DOLLARS. IT IS A HIGH EFFICIENCY MACHINE; IT IS DURABLE. ITS MODULAR DESIGN ENABLES QUICK CHANGE; A CONCEPT WHICH HAS GIVEN IT THE HIGHEST AVAILABILITY IN THE INDUSTRY. THIS HIGH AVAILABILITY PLUS ITS PROVEN BASE LOAD SERVICE

LEND READILY TO COMBINED CYCLE APPLICATIONS FOR 30 PERCENT MORE POWER OUTPUT OR PROCESS APPLICATIONS.

2. AFRED F. YACOVONE, MANAGER, ENGINEERING TECHNICAL SERVICES, TURBO POWER AND MAXINE SYSTEMS DIV. OF UNITED TECHNOLOGIES CORP. MR. YACOVONE HAS BEEN IN THE EMPLOY OF UNITED TECHNOLOGIES CORP. FOR THIRTY-FOUR YEARS; AT THE UNIVERSITY OF CONNECTICUT AND HILLYER COLLEGE, HE STUDIED ELECTRICAL ENGINEERING AND MECHANICAL ENGINEERING AND IS A MEMBER OF THE HUMAN FACTORS SOCIETY AND AMERICAN RADIO RELAY LEAGUE. AS SENIOR INSTRUCTOR AT THE PRATT AND WHITNEY AIRCRAFT SERVICE SCHOOL HE TRAINED TECHNICIANS IN DESIGN PERFORMANCE MAINTENANCE, AND OVERHAUL OF RECIPROCATING, GAS TURBINE, AND ROCKET ENGINES. IN 1965, HE BECAME RESPONSIBLE FOR GAS TURBINE TEST EQUIPMENT PLANNING AND DESIGN AND LATER, PRODUCT SUPPORT ACTIVITIES FOR THE POWER SYSTEMS DIVISION; AND MORE RECENTLY, HAS LECTURED EXTENSIVELY ON MAINTENANCE ASPECTS OF INDUSTRIAL GAS TURBINES; PAPERS PRESENTED BY MR YACOVONE RELATE TO GAS TURBINE DESIGN AND IGNITION SYSTEM DESIGN CRITERIA FOR GAS TURBINE ENGINES IN PROPULSION APPLICATIONS.

3. BIOGRAPHICAL SKETCH: CHESTER J. KOSIBA, DESIGN ENGINEER, WESTINGHOUSE ELECTRIC CORPORATION, HYDRO GENERATOR DEPARTMENT, LARGE ROTATING APPARATUS DIVISION
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IN EAST PITTSBURGH, PENNSYLVANIA. EDUCATION: BACHELOR OF SCIENCE DEGREE IN ELECTRICAL ENGINEERING, UNIVERSITY OF PITTSBURGH, FOLLOWED BY GRADUATE STUDY AT PRINCETON UNIVERSITY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY,

PENNSYLVANIA STATE UNIVERSITY, AND THE UNIVERSITY OF PITTSBURGH CAREER: FOLLOWING MILITARY SERVICE DURING WORLD WAR II, JOINED THE ENGINEERING AND SERVICE DIVISION OF WESTINGHOUSE ELECTRIC CORPORATION IN 1947. IN THIS POSITION, HE TRAVELLED WORLD-WIDE INSTALLING AND SERVICING VARIOUS EQUIPMENT IN THE TRANSPORTATION, SWITCHGEAR, AND HYDROELECTRIC FIELDS. IN 1957 HE TRANSFERRED TO THE LARGE ROTATING APPARATUS DIVISION OF WESTINGHOUSE AS A DESIGN ENGINEER OF HYDROELECTRIC GENERATORS, AND GENERATOR-MOTORS FOR PUMPED STORAGE, VANCE

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